Special Features

- Shaft melting furnace capacities: 8-60 metric tons/hour
- Holding furnace capacities: 7-40 tons
- New installations or conversion packages for existing furnaces
- Fuel: natural gas and/or LPG
- Flexible scope of supply
- Automatic air/fuel ratio (CO) control
- Simple, pre-mix combustion system
- Continuing Southwire research and development
- Skip cart furnace loading system
  Twin Fork Loader (optional)
  - flexible to handle a wide variety of charge material
  - removable box to minimize in-plant scrap handling
  - heavy duty

Equipment

1. Skip Cart Loader
2. Shaft Melting Furnace
3. Launder
4. Tilting Slag Vessel
5. Holding Furnace
Southwire At-A-Glance
- Southwire knows the rod making business because we’re in it.
- We are a large producer of copper and aluminum rod, and wire and cable in the United States.
- Southwire was the first to make the continuous casting of copper rod a commercial reality with our SCR® systems.
- We have more than 37 years experience in engineering, producing and operating SCR systems.
- Southwire offers assistance in setting up your system as well as other start-up services.
- We provide training, continued technical support, maintenance guidance and parts replacement.

Important Advantages
- High thermal efficiency
- 75% fewer control points
- Quieter burners
- Reliable flashback prevention system
- Easier to operate and maintain
- Touch screen human-machine interface for local control or remote monitoring
- Much faster gas sampling response time
- Water-cooled burners
- No air pre-heater required
- Maximum component reliability
- Easy to convert existing furnaces
- Quieter fuel efficient covered launders

Technical Assistance
- Operator training
- Start-up assistance
- Field services
- Operating manuals
- Over 57 installations worldwide
- Customized equipment arrangements

Handles a Wide Variety of Copper Charge Materials
- Full Plate Cathode
- Rodmill Scrap
- Clean Copper Scrap
- Wire Bar
- Scrap Billets
- Billet Butts
- Saw Chips
- Cakes
- Blister Copper

Give us a call with your system requirements and we can provide you with a custom engineered system that meets your needs.

Provides Molten Metal for:

- Continuous Copper Rod Casting
- Anode Casting
- Billet or Cake Casting

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